REMARKS

This Preliminary Amendment is requested prior to the initial examination of the above-identified patent application to replace specification and to eliminate multiple dependency. If the Examiner has any suggestions for placing this application in even better form, the Examiner is invited to telephone the undersigned and the number listed below.

Respectfully submitted,

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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Claims has been amended as follows:

4. A metal part and other surface modification and cleaning method according to Claim 2 [or 3 above], in which a substance with different acoustic impedance is inserted between said first and second vessels.

5. A metal part and other surface modification and cleaning method according to [ant one of] Claim[s] 2 [through 4], in which the fluid in said first vessel has its temperature controlled by controlling the temperature of the fluid that fills the space between said first and second vessels.

6. A metal part and other surface modification and cleaning method according to [either one of] Claim[s] 1 [through 5 above], in which the cavitating jet to be injected into said first vessel is sent to the cooling means from said first vessel 1 and returned to a cavitating jet pump after being cooled in said cooling means.

9. A metal part and other surface modification device according to [any one of] Claim[s] 7 [6 through 8 above], in which said second vessel is configured to have a larger depth than a height of said first vessel.

10. A metal part and other surface modification device according to [any one of] Claim[s] 7 [6 through 9], in which a substance with different acoustic impedance is arranged between said first and second vessels.

11. A metal part and other surface modification device according to [any one of] Claim[s] 7 [6 through 9 above], in which the lid on said first vessel is closed with a specified force.

12. A metal part and other surface modification device according to [any one of] Claim[s] 7 [6 through 11 above], in which a means of heating or cooling the fluid in said second vessel is provided.

13. A metal part and other surface modification device according to [any one of] Claim[s] 7 [6 through 12 above], in which said part to be treated is loaded on a carriage means to carry such part to be treated.

18. A metal part and other surface modification and cleaning device according to [either] Claim 16 [or 17 above], in which such device is so configured as to control the pressure of the fluid in said first vessel by such a fluid pressure regulator means as a valve or the like.

19. A metal part and other surface modification and cleaning device according to [any one of] Claim[s] 16 [through 18 above], in which said part to be treated is immersed in the fluid in a second vessel.

21. A metal part and other surface modification and cleaning device according to [any one of] Claim[s] 7 [through 20 above], in which a means of cooling the cavitating jet fluid to be introduced into said first vessel is provided.

22. A metal part and other surface modification and cleaning device according to [any one of] Claim[s] 16 [through 21], in which a pressurized fluid is poured into said first vessel as if it surrounded the cavitating jet fluid.